

Amendments to the Claims

1. (Original) A thermogenic gene SfUCPa derived from skunk cabbage, of which cDNA comprises the base sequence of SEQ ID NO: 1.

2. (Original) A thermogenic gene SfUCPb derived from skunk cabbage, of which cDNA comprises the base sequence of SEQ ID NO: 3.

3. (Cancelled)

4. (Cancelled)

5. (Original) A DNA fragment comprising the base sequence of SEQ ID NO: 1 or a partial sequence thereof.

6. (Original) A DNA fragment comprising the base sequence of SEQ ID NO: 3 or a partial sequence thereof.